

Recombinant Rat Rars2 Protein, His-tagged

Cat. No. Rars2-2011R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Rars2 Protein (Val313-Cys578) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val313-Cys578
Description	Predicted to enable arginine-tRNA ligase activity. Predicted to be involved in arginyl-tRNA aminoacylation and mitochondrial translation. Predicted to be active in mitochondrion. Human ortholog(s) of this gene implicated in pontocerebellar hypoplasia type 6. Orthologous to human RARS2 (arginyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9 kDa Accurate Molecular Mass: 34 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 Tel: 1-631-559-9269 1-516-512-3133

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Rars2 arginyl-tRNA synthetase 2, mitochondrial [*Rattus norvegicus* (Norway rat)]

Official Symbol

Rars2

Synonyms

Rars2; arginyl-tRNA synthetase 2, mitochondrial; Rarsl; probable arginine--tRNA ligase, mitochondrial; arginyl-tRNA synthetase-like; probable arginyl-tRNA synthetase, mitochondrial; EC 6.1.1.19

Gene ID

297969

mRNA Refseq

XM_006237986

Protein Refseq

XP_006238048

UniProt ID

F7FFR1

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